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(54) Title: PLASMINOGEN ACTIVATOR INHIBITOR-1 (PAI-1) HAPLOTYPES USEFUL AS INDICATORS OF PATIENT OUTCOME

(57) Abstract: The invention provides methods and kits for obtaining a prognosis for a patient having or at risk of developing an inflammatory condition. The method generally comprises determining a Plasminogen Activator Inhibitor-1 (PAI-1) genotype of a patient for one or more polymorphisms in the PAI-1 gene of the patient, comparing the determined genotype with known genotypes for the polymorphism that correspond with the ability of the patient to recover from the inflammatory condition and identifying patients based on their prognosis. PAI-1 genotype screening may be useful in identifying patients who would benefit from increased monitoring by healthcare professionals, and/or possible therapeutic intervention, if the patient were to develop inflammation due to systematic inflammation response syndrome (SIRS), bacterial infection, bacteraemia, sepsis, septic shock, organ dysfunction, and trauma. The invention also provides for methods of identifying other polymorphisms that correspond with the ability of the patients to recover from the inflammatory condition.